

=> b reg
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STRUCTURE FILE UPDATES: 16 SEP 2008 HIGHEST RN 1049663-83-3
DICTIONARY FILE UPDATES: 16 SEP 2008 HIGHEST RN 1049663-83-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

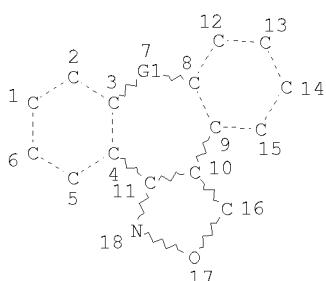
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REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> d que sta 18

L6 STR



VAR G1=C/O/S/N

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

L8 22 SEA FILE=REGISTRY SSS FUL L6

100.0% PROCESSED 1899 ITERATIONS

22 ANSWERS

SEARCH TIME: 00.00.01

=> b hcap

FILE 'HCAPLUS' ENTERED AT 11:16:53 ON 18 SEP 2008
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FILE COVERS 1907 - 18 Sep 2008 VOL 149 ISS 12
FILE LAST UPDATED: 16 Sep 2008 (20080916/ED)

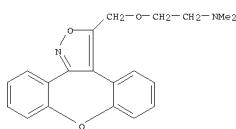
HCplus now includes complete International Patent Classification (IPC)
reclassification data for the second quarter of 2008.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

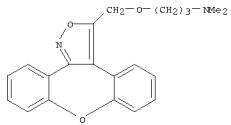
This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> d bib abs hitstr 113 tot

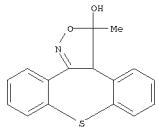
L13 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 852699-99-8 HCAPLUS
 CN 1-Propanamine, 3-(dibenz[2,3:6,7]oxepino[4,5-c]isoxazol-3-ylmethoxy)-N,N-dimethyl- (CA INDEX NAME)

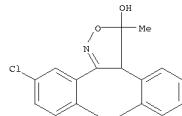


IT 852699-00-4P 852699-01-5P 852699-02-6P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of 1-aza-2-oxa-dibenz[e,h]azulenes as central nervous system drugs)
 RN 852699-00-4 HCAPLUS
 CN Dibenz[2,3:6,7]thiepino[4,5-c]isoxazol-3-ol, 3,3a-dihydro-3-methyl- (CA INDEX NAME)

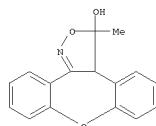


RN 852699-00-4 HCAPLUS
 CN Dibenz[2,3:6,7]thiepino[4,5-c]isoxazol-3-ol, 11-chloro-3,3a-dihydro-3-methyl- (CA INDEX NAME)

L13 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 852699-02-6 HCAPLUS
 CN Dibenz[2,3:6,7]oxepino[4,5-c]isoxazol-3-ol, 3,3a-dihydro-3-methyl- (CA INDEX NAME)



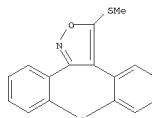
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

10 / 595939

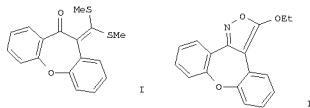
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L14 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2008 ACS on STN
 AN 2007:961684 HCAPLUS
 DN 147:448663
 TI Heterocyclic annulations: synthesis of 10,11-dihydro-11-
 [bis(methylthio)methylene]dibenzoxepin-10-one: a facile access to novel
 dibenzoxepino[4,5-*i*]fused heterocycles
 AU Kumar, Sarvesh; Ila, Hiriyakkanavar; Junjappa, Hiriyakkanavar
 CS Department of Chemistry, Indian Institute of Technology, Kanpur, 208016,
 India
 SO Tetrahedron (2009), 63(40), 10067-10076
 CODEN TETRA8; ISSN: 0040-4020
 PB Elsevier Ltd.
 DT Journal
 LA English
 OS CASREACT 147:448663
 GI

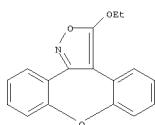
L14 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RE.CNT 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT



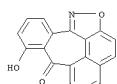
AB 10,11-Dihydro-11-[bis(methylthio)methylene]dibenzoxepin-10-one (I) has been shown to be a useful three carbon synthon for the efficient regiospecific annulation of a variety of five- (pyrazoles, isoxazoles, thiophene, and γ -lactone) and six-membered (pyrimidines, pyridone and pyridined) heterocycles by cyclocondensation with heterocyclic phosphorus nucleophiles such as hydrazine, hydroxylamine, thiophosgene, methanide, guanidine, thiourea, cyanacetamide, and substituted β -lithiocaminoacrylonitrile. E.g., reaction of I and NH₂OH.HCl in EtOH/NaOEt gave 72% fused isoxazole I.
 IT 952513-95-0P 952513-96-1P
 RL: SWN (synthetic preparation; PREP (Preparation)
 (preparation of dibenzoxepino-fused heterocycles by cyclocondensation of 10,11-dihydro-11-[bis(methylthio)methylene]dibenzoxepin-10-one with heterobinucleophiles)
 RN 952513-95-0 HCAPLUS
 CN Dibenz[2,3:6,7]oxepino[4,5-c]isoxazole, 3-ethoxy- (CA INDEX NAME)



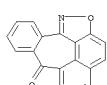
RN 952512-96-1 HCAPLUS
 CN Dibenz[2,3:6,7]oxepino[4,5-c]isoxazole, 3-(methylthio)- (CA INDEX NAME)

L14 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2008 ACS on STN
 AN 1934:6000 HCAPLUS
 DN 28:6000
 OREF 28:759h-i,760a-h
 TI Condensations and ring closure in the naphthalene series. VII. Reaction of phthalocyaninaphthalene with hydroxylamine and with diazomethane
 AU Fieser, Louis F.
 SO Journal of the American Chemical Society (1933), 55, 4963-76
 CODEN: JACSA7; ISSN: 0002-7863
 DP JOURNAL
 LA English
 GI Available
 For diagram(s), see printed CA Issue.
 AB cf. C. A. 27, 4792. Phthalocyaninaphthalene (I) (10 g.) in 200 cc. EtOH and 20 cc. 6 N NaOH with 15 g. NH₂OH.HCl, refluxed 2 hrs., gives 9 g. 1-hydroxy-7,12-pleiadenedione-7-oxime (II), yellow, m. 242°; it is recrystallized from EtOH with alkali for several hrs. and after heating with 82% H₂SO₄ 1 hr. in the steam bath; diacetate, pale yellow, m. 237°; heating II at 300-20° gives a dehydro product, C₁₈H₉O₃N (III), orange-yellow, m. 260° (monocroacetate, pale yellow, m. 208°). It shows no change on heating in EtOH-KOH or on heat in heat with concentrated H₂SO₄. The compound of 1,6-dihydroxypleiadenedione oxime, yellow, m. 232°, results from the ketone and NH₂OH in alkali. The 12-oxime (IV) is formed in addition to II, if the amount of alkali is increased but is best prepared from VIII. IV, yellow, m. 262°, with the formation of V; in EtOH containing alkali IV is fairly stable but in acid solution it is formed as a diacetate (VI), pale yellow, m. 174°. It is best prepared in CS₂H₂. The anhydride compound (V) of IV, m. 227°, results as indicated above and also in nearly quant. yield from 1 g. of the Me ether of I, 30 cc. EtOH, 6 N NaOH and 1.5 g. NH₂OH.HCl. III has not been converted into V, so that they are not stereoisomers. I 14 cc. EtOH and 1.5 g. Et₂NH, treated with 1 g. NH₂OH and H₂O in the cold, gives an addition product, C₁₈H₁₃O₃N (VII), pale yellow, decomps. about 130°; on heating in alkali there results II, and V; in cold CS₂H₂ and Ac₂O there results a diacetate (VIII) of IV, pale yellow, m. 163°, easily hydrolyzed by cold EtOH-KOH to IV. VIII is not identical with VI. I with CH₂N₂H₂ gives the Me ether of IV. Neg. results were obtained from the attempted reaction of I with MeOH, PhNHNNH₂, Ph₂NNH₂, NH₂CONHNH₂ and nitroaryl. I and N₂H₄ give an addition product, yielding with Ac₂O and CS₂H₂ a hydrazone diacetate, pale yellow, m. 199-200°. The reaction of I with CH₂N₂H₂ furnishes certain indications that it exists largely in a tautemic, dione form. I (7 g.) in 14 cc. CS₂H₂ with CH₂N₂ gives a 3-1.1% of the compound C₂₀H₁₄O₃ (IX or X), pale yellow, m. 208°, the reduction product with Sn and AcOH, C₂₀H₁₆O₃, m. 245° (acetate, m. 184°).
 IT 858010-85-2P, 6-Pleiaiden[12,1-cd]isoxazol-6-one, 5-hydroxy-
 858010-87-4P, 6-Pleiaiden[12,1-cd]isoxazol-6-one
 RL: PREP (Preparation)
 (preparation of)
 RN 858010-85-2 HCAPLUS
 CN 6-Pleiaiden[12,1-cd]isoxazol-6-one, 5-hydroxy- (3CI) (CA INDEX NAME)

L14 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 858010-87-4 HCAPLUS
 CN 6-Pleiaiden[12,1-cd]isoxazol-6-one (3CI) (CA INDEX NAME)



=> b uspatall
FILE 'USPATFULL' ENTERED AT 11:17:23 ON 18 SEP 2008
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FILE 'USPATOLD' ENTERED AT 11:17:23 ON 18 SEP 2008
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FILE 'USPAT2' ENTERED AT 11:17:23 ON 18 SEP 2008
CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

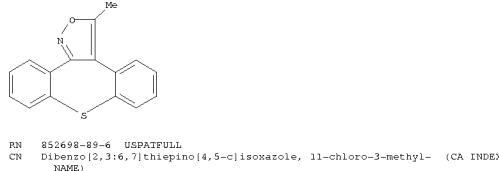
=> d bib abs hitstr 115 tot

L15 ANSWER 1 OF 1 USPATFULL on STN
 AN 2007:89549 USPATFULL
 II 1-Aza-2-oxa-dibenzo(e,h)azulenes and their use for the treatment of
 central nervous system diseases and disorders
 IN Medicaments and compositions
 Mesic, Milan, Zagreb, CROATIA
 Pesic, Dijana, Sibenik, CROATIA
 Drago, Iva, Velika Gorica, CROATIA
 PLIVA-ISTRAZIVACKA INSTITUT D.O.O., ZAGREB, CROATIA, 10000 (non-U.S.
 cons)
 PI US-20070078124 A1 20070405
 AI 2004US-000595939 A1 20041119 (10)
 2004WC-HR0000050 20041119
 20060811 PCT 371 date
 PPAI 2003HP-020030953 20031121
 DT UTILITY
 FS APPLICATION
 LREP DARBY & DARBY P.C., P. O. BOX 5257, NEW YORK, NY, 10150-5257, US
 CLMN Number of Claims: 22
 BCL 1 Independent Claim: 1
 DROW No Drawings
 LN.CNT 1640
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

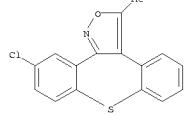
AB The present invention relates to 1-aza-2-oxa-dibenzo(e,h)azulenes, their pharmaceutically acceptable salts and esters, their prodrugs and intermediates for the preparation thereof and to the use thereof in pharmaceutical formulations for the treatment and prevention of diseases, damages and disorders of the central nervous system (CNS) caused by disorders of the neurochemical equilibrium of biogenic amines or other neurotransmitters.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 IT 852698-88-5P 852698-89-6P 852698-90-9P
 852698-91-0P 852698-92-1P 852698-93-2P
 (preparation of 1-aza-2-oxa-dibenzo(e,h)azulenes as central nervous system
 agents)

RN 852698-88-5 USPATFULL
 CN Dibenzo[2,3:6,7]thiepino[4,5-c]isoxazole, 3-methyl- (CA INDEX NAME)

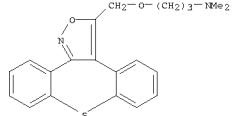


RN 852698-89-6 USPATFULL
 CN Dibenzo[2,3:6,7]thiepino[4,5-c]isoxazole, 11-chloro-3-methyl- (CA INDEX NAME)

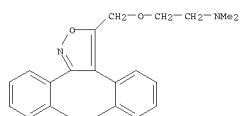


L15 ANSWER 3 OF 1 USPATFULL on STN (Continued)
 IT 852698-94-3P 852698-95-4P 852698-96-5P
 852698-97-6P 852698-98-7P 852698-99-8P
 (preparation of 1-aza-2-oxa-dibenzo(e,h)azulenes as central nervous system
 agents)

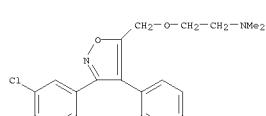
RN 852698-98-3 USPATFULL
 CN 1-Propanamine, 3-(dibenzo[2,3:6,7]thiepino[4,5-c]isoxazol-3-ylmethoxy)-N,N-



RN 852698-95-4 USPATFULL
 CN Ethanamine, 2-(dibenzo[2,3:6,7]thiepino[4,5-c]isoxazol-3-ylmethoxy)-N,N-



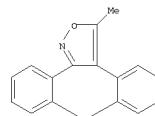
RN 852698-96-5 USPATFULL
 CN Ethanamine, 2-((11-chlorodibenzo[2,3:6,7]thiepino[4,5-c]isoxazol-3-yl)methoxy)-N,N-dimethyl- (CA INDEX NAME)



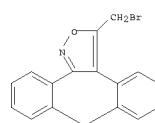
RN 852698-97-6 USPATFULL
 CN 1-Propanamine, 3-((11-chlorodibenzo[2,3:6,7]thiepino[4,5-c]isoxazol-3-yl)methoxy)-N,N-dimethyl- (CA INDEX NAME)



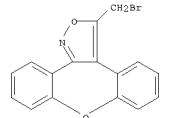
L15 ANSWER 1 OF 1 USPATFULL on STN (Continued)
 RN 852698-90-9 USPATFULL
 CN Dibenzo[2,3:6,7]thiepino[4,5-c]isoxazole, 3-methyl- (CA INDEX NAME)



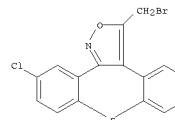
RN 852698-91-0 USPATFULL
 CN Dibenzo[2,3:6,7]thiepino[4,5-c]isoxazole, 3-(bromomethyl)- (CA INDEX NAME)



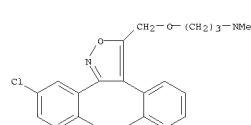
RN 852698-92-1 USPATFULL
 CN Dibenzo[2,3:6,7]thiepino[4,5-c]isoxazole, 3-(bromomethyl)- (CA INDEX NAME)



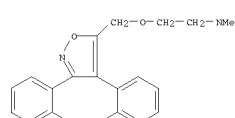
RN 852698-93-2 USPATFULL
 CN Dibenzo[2,3:6,7]thiepino[4,5-c]isoxazole, 3-(bromomethyl)-11-chloro- (CA INDEX NAME)



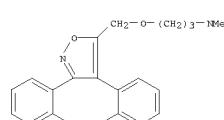
L15 ANSWER 1 OF 1 USPATFULL on STN (Continued)



RN 852698-98-7 USPATFULL
 CN Ethanamine, 2-(dibenzo[2,3:6,7]thiepino[4,5-c]isoxazol-3-ylmethoxy)-N,N-dimethyl- (CA INDEX NAME)

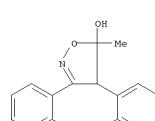


RN 852698-99-8 USPATFULL
 CN 1-Propanamine, 3-(dibenzo[2,3:6,7]thiepino[4,5-c]isoxazol-3-ylmethoxy)-N,N-dimethyl- (CA INDEX NAME)



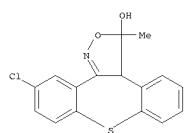
IT 852699-00-4P 852699-01-5P 852699-02-6P
 (preparation of 1-aza-2-oxa-dibenzo(e,h)azulenes as central nervous system
 agents)

RN 852699-00-4 USPATFULL
 CN Dibenzo[2,3:6,7]thiepino[4,5-c]isoxazol-3-ol, 3,3a-dihydro-3-methyl- (CA INDEX NAME)

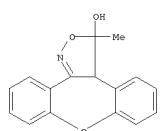


RN 852699-01-5 USPATFULL
 CN Dibenzo[2,3:6,7]thiepino[4,5-c]isoxazol-3-ol, 11-chloro-3,3a-dihydro-3-

L15 ANSWER 1 OF 1 USPATIFULL on SIN (Continued)



RN 852699-02-6 USPATFULL
CN Dibenz[2,3:6,7]oxepino[4,5-c]isoxazol-3-ol, 3,3a-dihydro-3-methyl- (CA
INDEX NAME)



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(FILE 'HOME' ENTERED AT 11:10:47 ON 18 SEP 2008)

FILE 'HCAPLUS' ENTERED AT 11:11:15 ON 18 SEP 2008
L1 1 US20070078124 /PN

FILE 'REGISTRY' ENTERED AT 11:11:28 ON 18 SEP 2008

FILE 'HCAPLUS' ENTERED AT 11:11:28 ON 18 SEP 2008
L2 TRA L1 1- RN : 28 TERMS

FILE 'REGISTRY' ENTERED AT 11:11:28 ON 18 SEP 2008
L3 28 SEA L2
L4 21 L3 AND NRNS>=3
L5 15 L3 AND NRNS>=4
L6 STR
L7 4 L6
L8 22 L6 FULL
SAV TEM J939C1G1/A L8
L9 15 L8 AND L3
L10 7 L8 NOT L9

FILE 'HCAOLD' ENTERED AT 11:15:06 ON 18 SEP 2008
L11 0 L9
L12 0 L10

FILE 'HCAPLUS' ENTERED AT 11:15:16 ON 18 SEP 2008
L13 1 L9
L14 2 L10

FILE 'USPATFULL, USPATOLD, USPAT2' ENTERED AT 11:15:25 ON 18 SEP 2008
L15 1 L9
L16 0 L10

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